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Agricultural Memorandum No. 258

Return to Soil Moisture Capacity - Influence of October Deficit

The analysis of Ag. Memos. 256 and 257 were repeated for October deficits with the following results.

Mean dates of return to Capacity

End of October Deficit

Rain	Zone	0-1	1-2	2-3	3-4	4-5	5
Over 30 in.	North	Nov. 7	Nov.13	Dec. 4	(Dec. 5)	-	-
	Midlands	Nov. 6	Nov.18	Nov.28	Dec.11	Dec.18	-
	South West	Nov. 7	Nov.17	Nov.25	Dec. 4	Dec.28	(Dec.25)
25-30 in.	North	Nov.12	Nov.30	Nov.26	Dec.29	(Dec.22)	-
	Midlands	Nov.11	Nov.24	Dec. 8	Dec.16	Dec.31	(Jan.15)
	South West	Nov.12	Nov.18	Nov.20	Dec. 8	(Jan. 5)	(Jan. 5)
	South East	Nov.12	Nov.22	Dec. 3	Dec. 8	Dec.21	Jan. 7
Under 25 in.	North	Nov.12	Nov.19	Dec.12	Dec.26	Jan. 7	(Jan.15)
	Midlands	Nov.12	Nov.27	Dec. 4	Dec.31	Jan.10	Jan.15
	South East	Nov. 9	Dec. 1	Dec. 8	Dec.22	Dec.25	Jan.21
	East	Nov.11	Nov.26	Dec.13	Dec.21	Jan.11	Jan.17

Details of the spread about the mean dates are given in the Appendix.

Any comments or criticism on this memorandum should be sent to the author.

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North

(a) Below 25 in.

End of October Deficit

Capacity Date	0-1	1-2	2-3	3-4	4-5	5
N1	8					
N2	1	8	3			
N3	1		3	1		
D1	2			1		
D2			3	2	1	
D3		1	2	6	1	
Jan. 1			1	1	1	
Jan. 2			1	1	1	1
Jan. 3			1	2		
Feb. 1					1	
Feb. 2						
Feb. 3						
Mean	Nov. 12th	Nov. 19th	Dec. 12th	Dec. 26th	Jan. 7th	Jan. 15th

North

(b) 25-30 in.

End of October Deficit

Capacity Date	0-1	1-2	2-3	3-4	4-5	5
N1	4		1			
N2	1	4	2			
N3		2			1	
D1	1		1			
D2		3	2	1		
D3		1		5		
Jan. 1				1	2	
Jan. 2				2		
Jan. 3						
Feb. 1						
Feb. 2						
Feb. 3						
Mean	Nov. 12th	Nov. 30th	Nov. 26th	Dec. 29th	Dec. 22nd	-

(c) Over 30 in.

End of October Deficit

Capacity Date	0-1	1-2	2-3	3-4	4-5	5
N1	5	3				
N2	1	7	1			
N3		1	1			
D1			3	1		
D2			2			
D3						
Jan. 1						
Jan. 2						
Jan. 3						
Feb. 1						
Feb. 2						
Feb. 3						
Mean	Nov. 7th	Nov. 13th	Dec. 4th	Dec. 5th	-	-

Midlands

(a) Below 25 in.

End of October Deficit

Capacity Date	0-1	1-2	2-3	3-4	4-5	5
N1	14	3				
N2		7	7			
N3		4	5	4		
D1	4	4	2			
D2		2	3	3	2	
D3		3	1	2	1	
Jan. 1			1	5	2	1
Jan. 2			1	2	1	2
Jan. 3			1	3		1
Feb. 1				1	1	
Feb. 2				1		
Feb. 3					1	
Mean	Nov. 12th	Nov. 27th	Dec. 4th	Dec. 31st	Jan. 10th	Jan. 15th

Midlands

(b) 25-30 in.

End of October Deficit

Capacity Date	0-1	1-2	2-3	3-4	4-5	5
N1	17	5	1			
N2	4	8	7	2		
N3	3	3	3	1		
D1	2	5	3	5		
D2		2	3	3	2	
D3		2	1	4		
Jan. 1			1	3	4	
Jan. 2			3		1	3
Jan. 3				1		
Feb. 1			1			
Feb. 2						
Feb. 3						
Mean	Nov. 11th	Nov. 24th	Dec. 8th	Dec. 16th	Dec. 31st	Jan. 15th

(c) Over 30 in.

End of October Deficit

Capacity Date	0-1	1-2	2-3	3-4	4-5	5
N1	15	3				
N2	2	5	3			
N3		3	3			
D1		2	3	5	2	
D2						
D3			1	2	1	
Jan. 1					1	
Jan. 2						
Jan. 3						
Feb. 1						
Feb. 2						
Feb. 3						
Mean	Nov. 6th	Nov. 18th	Nov. 28th	Dec. 11th	Dec. 18th	

South West

(a) 25-30 in.

End of October Deficit

Capacity Date	0-1	1-2	2-3	3-4	4-5	5
N1	5	9	1			
N2	5	1	4	1		
N3	1	1	1	1		
D1	3	5	2	4		
D2				3		
D3		1				
Jan. 1				1	3	1
Jan. 2						
Jan. 3						
Feb. 1						
Feb. 2						
Feb. 3						
Mean	Nov. 12th	Nov. 18th	Nov. 20th	Dec. 8th	Jan. 5th	Jan. 5th

South West

(b) Over 30 in.

End of October Deficit

Capacity Date	0-1	1-2	2-3	3-4	4-5	5
N1	21	5				
N2	1	7	5	2		
N3		3	9			
D1	1	3	3	3		
D2			1	3	1	
D3					2	1
Jan. 1					3	
Jan. 2						
Jan. 3						
Feb. 1						
Feb. 2						
Feb. 3						
Mean	Nov. 7th	Nov. 17th	Nov. 25th	Dec. 4th	Dec. 28th	Dec. 25th

East

End of October Deficit

Capacity Date	0-1	1-2	2-3	3-4	4-5	5
N1	12	5	1			
N2	7	20	6	1		
N3	3	14	13	12	7	
D1		11	9	10	1	
D2		3	9	12	2	
D3		7	20	2	6	
Jan. 1			4	6	7	
Jan. 2			2	6	2	11
Jan. 3				1	2	2
Feb. 1			2	5	4	
Feb. 2					2	
Feb. 3				1	1	
Not at all					4	
Mean	Nov. 11th	Nov. 26th	Dec. 13th	Dec. 21st	Jan. 11th	Jan. 17th

South East

(a) Under 25 in.

Capacity Date	End of October Deficit 0-1	1-2	2-3	3-4	4-5	5
N1	5	1				
N2	1	6	3	2		
N3	1	2	5	2	3	
D1			4	1	2	
D2		4	2	2	2	
D3			2	1		
Jan. 1		1		3	1	1
Jan. 2		1	1	3		2
Jan. 3					1	1
Feb. 1					1	
Feb. 2			1	1		1
Feb. 3						
Not at all					1	
Mean	Nov. 9th	Dec. 1st	Dec. 8th	Dec. 22nd	Dec. 25th	Jan. 21st

South East

(b) 25-30 in.

Capacity Date	End of October Deficit 0-1	1-2	2-3	3-4	4-5	5
N1	14	11	1			
N2		8	12	2		
N3	2	4	6	9	2	
D1	3	8	4	5		
D2		5	10	9	1	
D3		1	4	6	1	1
Jan. 1			1		4	3
Jan. 2			1	1		2
Jan. 3						
Feb. 1						
Feb. 2						
Feb. 3						
Not at all						
Mean	Nov. 12th	Nov. 22nd	Dec. 3rd	Dec. 8th	Dec. 21st	Jan. 7th